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Bright view ELECTRONICS CO.,LTD

LIGHT EMITTING DIODE

BVU-5E1BA4

Jameco P/N 197624

DESCRIPTION

Dice Material : GaN Blue
Light Color : Blue Color
Lens Color : Water Transparent
Dimension No : BV-501 / BV-501R
Stand Off Part : BVU-5E1BA4 # R

ABSOLUTE MAXIMUM RATINGS AT Ta = 25 ℃

PARAMETER	MAX.	UNIT
Power Dissipation	120	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	100	mA
Reverse Voltage	5	V
Derating Linear From 50 ℃	0.4	mA/ ℃
Operating Temperature Range	− 40 ℃ to + 100 ℃	
Storage Temperature Range	− 40 ℃ to + 100 ℃	
Lead Solder Temperature 1.6 mm Below Package 260 ℃ for 5 senconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 ℃

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I F = 20 mA		3.5	4.2	V
I_R	Reverse Current	V R = 5 V			10	μA
λ_p	Peak Emission Wavelength	I F = 20 mA		470		n m
λ_d	Dominant Wavelength	I F = 20 mA		476		n m
$2\theta_{1/2}$	Viewing Angle	I F = 20 mA		15		Deg

BIN grade limits (I F = 20 mA) Luminous Intensity

Device	☐ BVU-5E1BA4A			☐ BVU-5E1BA4B		
Bin	G	H	I	J	K	L
Min.	465	600	780	1000	1300	1680
Max.	600	780	1000	1300	1680	2180
Device	☐ BVU-5E1BA4C			☐ BVU-5E1BA4D		
Bin	M	N	O	P	Q	R
Min.	2180	2800	3600	4650	6000	7800
Max.	2800	3600	4650	6000	7800	10000

Tolerance ± 15 % med

CAUTION

1 Bright View reserves the rights to alter specifications and remove availability of products at anytime without notice
2 These products are sensitive to static electricity. Caution must be taken strictly to avoid static electricity from human bodies and machinery